

Receiving Report

Date: 12-5-4

Batch No: DA660

Supplier: ThyssenKrupp.

Dart P/O: 16883

Packing Slip: Yes ☒ No ☐
 Invoice: Yes ☒ No ☐
 Receipt: Cash ☐ Cr ☒

Release Note Attached: Yes ☐ No ☒ N/A ☐
 Waybill Attached: Yes ☐ No ☒
 Shipment Complete: Yes ☒ No ☐ N/A ☐
 QC6 Inspection ML 12/05/04 N/A ☒
 Work Order N/A ☒

Discrepancies

Part Number	Description	Quantity Ordered	Quantity Received	Quantity Returned	Quantity Short	Comments
m174B	1250X02.000	12	0		12.	
m303B2	1500X2.000	4	0		4	
m7075	173B2.500X03.25	4	0		4	

Initials of receiver (if shipment OK) Level 12

Production/Admin:
 Date: 12-5-4
 Received/Costing:
 Initial: SP

Location SP

Purchase Order Receipt Listing

Friday, May 04, 2012 1:11:31 PM

All amounts are calculated in domestic currency.

All Vendors PO ID PO16883 Receipt Dates from 5/4/2012 to 5/4/2012 All Line Item Types
All Item ID/GL/WOS All Rec. Employees All Currencies
Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M/ Stock U/M	Required Date	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
Vendor ID/Vendor Name		VC-COP001	Thyssenkrupp Materials CA Ltd								
PO16883	3		M304S18GA sf		5/9/2012	5/4/2012	96.0000	\$3.95	0.0000	0	\$378.97
CAD	No		304/316 .050 Sheet sf		96.0000	DESI02		\$378.97	0.0000	0	
			121660								
	4		M5052H32S.032 sf		5/9/2012	5/4/2012	96.0000	\$1.11	0.0000	0	\$106.28
	No		5052-H32 .032 Sheet sf		96.0000	DESI02		\$106.28	0.0000	0	
			121660								
	5		M6061T6B0.500X10. f		5/9/2012	5/4/2012	48.0000	\$12.13	0.0000	0	\$582.06
	No		6061-T6 Bar .500 x f		48.0000	DESI02		\$582.06	0.0000	0	
			10.00								
			121660								
	6		M6061T6B0.750X02. f		5/9/2012	5/4/2012	12.0000	\$3.80	0.0000	0	\$45.65
	No		6061-T6 Bar .750 x f		12.0000	DESI02		\$45.65	0.0000	0	
			2.00								
			121660								
	7		M6061T6B1.000X02. f		5/9/2012	5/4/2012	48.0000	\$4.91	0.0000	0	\$235.64
	No		6061-T6 Bar 1.00 x f		48.0000	DESI02		\$235.64	0.0000	0	
			2.00								
			121660								
	8		M6061T6B1.500X01. f		5/9/2012	5/4/2012	12.0000	\$4.50	0.0000	0	\$53.95
	No		6061-T6 Bar 1.50 x f		12.0000	DESI02		\$53.95	0.0000	0	
			1.25								
			121660								
	9		M6061T6B2.000X01. f		5/9/2012	5/4/2012	12.0000	\$6.13	0.0000	0	\$74.70
	No		6061-T6 Bar 2.00 x f		12.0000	DESI02		\$74.70	0.0000	0	
			1.25								
			121660								

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M/ Stock U/M	Required Date Required Qty	Recv Date/ Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MIRB Qty/ Reject Qty	Book Amt
Vendor ID/Vendor Name PO16883	10	VC-COP001	Thyssenkrupp Materials CA Ltd								
			M6061T6B2.000X03. f		5/9/2012	5/4/2012	12.0000	\$17.46	0.0000	0	\$209.58
			500								
CAD	No		6061-T6 Bar 2.00 x f		12.0000	DESI02		\$209.58	0.0000	0	
			3.50								
			121660								
	11		M6061T6H1.000 f		5/9/2012	5/4/2012	12.0000	\$2.23	0.0000	0	\$26.72
	No		6061-T6 HexBar 1.00 f		12.0000	DESI02		\$26.72	0.0000	0	
			121660								
Total Received Quantity:											348.0000
Total Qty to Inspect (PO U/M):											0.0000
Total Reject Quantity:											0.0000
Total Receipt Value:											\$1,713.55
Total Balance Due Quantity:											0.0000

Ship From: **THYSSENKRUPP MATERIALS NA**
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 9057389033

B I L L O F L A D I N G

No: PEC 765520
Ship Date 04May12 at 11:34 From PFW
Probill
Via VIM TRANSFER
FOB CONCORD
Frt PREPAID
Route 0- 0 Manifest
Vhcle Trailer
Slp 47 STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7

Ship To: (1)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7
Tel: 613-632-9577 Fax: 613-632-1053

B I L L O F L A D I N G

1) Our Order PEC-446916- 1 Your PO # 16883
STAINLESS STEEL SHEET 304-2B
.0480 Nom X 48.0000" X 96.0000"

Heat Number Tag No
0502414 63250

Quantity PCS
96.00 SFT 3

Wt LBS
192

MTR

2) Our Order PEC-446916- 2 Your PO # 16883
ALUMINUM SHEET 5052-H32
.0320 Nom X 48.0000" X 96.0000"

Heat Number Tag No
114087 63252

Quantity PCS
96.00 SFT 3

Wt LBS
43

MTR

3) Our Order PEC-446916- 3 Your PO # 16883
ALUMINUM FLT BAR ECONOPLT 6061-T6511
.500" X 10.00" X 144.5000"

Heat Number Tag No
201205804 63110

Quantity PCS
48 ' 2.0000 " 4

Wt LBS
288

MTR

4) Our Order PEC-446916- 4 Your PO # 16883
ALUMINUM FLAT BAR 6061-T6511
.750" x 2.00" X 144.0000"

Heat Number Tag No
16276 63111

Quantity PCS
12 FT 1

Wt LBS
22

MTR

5) Our Order PEC-446916- 5 Your PO # 16883
ALUMINUM FLAT BAR 6061-T6511
1.00" x 2.00" X 144.0000"

Heat Number Tag No
16107 63112

Quantity PCS
48 FT 4

Wt LBS
114

MTR

Page: 1Continued

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

Ship From: B I L L O F L A D I N G
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 9057389033

No: PEC 765520
Ship Date 04May12 at 11:34 From PFW
Probill
Via VIM TRANSFER
FOB CONCORD
Frt PREPAID
Route 0- 0 Manifest
Vhcle Trailer
Slp STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE

Ship To: (1)
DART AEROSPACE

B I L L O F L A D I N G

6) Our Order PEC-446916- 6 Your PO # 16883

ALUMINUM FLAT BAR 6061-T6511

1.250" x 1.50" X 144.0000"

Heat Number
15847

Tag No
63113

Quantity
12 FT

PCS
1

Wt LBS
26

MTR

7) Our Order PEC-446916- 7 Your PO # 16883

ALUMINUM FLAT BAR 6061-T6511

1.250" x 2.00" X 144.0000"

Heat Number
15806

Tag No
63114

Quantity
12 FT

PCS
1

Wt LBS
35

MTR

8) Our Order PEC-446916- 8 Your PO # 16883

ALUMINUM FLAT BAR 6061-T6511

2.00" x 3.50" X 144.0000"

Heat Number
201205627

Tag No
63115

Quantity
12 FT

PCS
1

Wt LBS
101

MTR

9) Our Order PEC-446916- 9 Your PO # 16883

ALUMINUM HEXAGON BAR 6061-T6511

1.00" X 144.0000"

Heat Number
201200184

Tag No
63116

Quantity
12 FT

PCS
1

Wt LBS
12

MTR

TOTAL:

Tags
9

PCS
19

LBS
833

Heat Number

114087

15806

15847

16107

16276

201200184

*** Chemical Analysis ***

Page: 2Continued

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.

MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

Ship From: B I L L O F L A D I N G
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 9057389033

No: PEC 765520
Ship Date 04May12 at 11:34 From PFW
Probill
Via VIM TRANSFER
FOB CONCORD
Frt PREPAID
Route 0- 0 Manifest
Vhcle Trailer
Slp STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE

Ship To: (1)
DART AEROSPACE

201205627

B I L L O F L A D I N G

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT
WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR
TO SHIPPING.

ATTN: CHANTAL/LINDA

** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **

** REFERENCED ON IT **

TOTAL G.W 1 SKID 1 BDL 843 LBS

*CUSTOMER PICK-UP HRS AT THYSSENKRUPP MATERIALS NA
CONCORD, ONT.* *** 9:00 AM TO 4:00 PM ***

**** TEL. 800-926-2600 ****

* WE STOCK STAINLESS STEEL *

* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT *

***PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE
ADDED TO EVERY ORDER.***

Page: 3 Last

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

FOIA b 7(D)

STANDARD STEEL SHEET 304-2B
.0490 NOM X 48.0000" X 96.0000"
PART 100

We certify that this is a true copy of the report furnished by the producers of the metal, or derived therefrom, made in approved lots.

ଆହୁରି ବିଷୟ

BL PEC-765520-001

10/10/2011

Certificate of Mill Test Results

Dr. T. J. ...
St. ...

ThyssenKrupp Mexinox

TEST REPORT (Continued)

WILSON JAMES (POLARIS)

LEXNOX USA

PRODUCT IDENTIFICATION

ITEM No.	CAN. NO.	PIECES	MEAS. COUADRE (SQ. CM)	TYPE AND FINISH	DIMENSIONS	GROSS WT. (KG)	NET WT. (KG)
1	201502 0004	1		304 / 2B UNS S30408	40.00 X 60.00 X 1.20	18.000	15.931
CHEMICAL COMPOSITION							
<p>201502 0004</p>							

CHEMICAL COMPOSITION

CONFIDENTIAL

OTHER ELEMENTS (OTHERS) 2014-2015

ITEM	C	Cr	Mn	N	Nb	P	S	Si	OTHER ELEMENTS (PPHMS REQUIRED)			
1	.0460	18.1000	12.2000	.0030	0.0000	.0020	.0000	.3000				

MECHANICAL PROPERTIES

CHEMICAL PROPERTIES

PROPOSED CHANGES

ITEM NO.	TEST NO.	D	TESTING S. R. TENSION	YIELD S. R. FLOW	ELONGATION, %	HARDNESS DUREA HBS
1	A889881 A889880	L	5859, psi 646 MPa	4535, psi 313 MPa	53.6	(HEAD/TAIL) 82.0 / 80.0

THIS MATERIAL IS UNDER THE 672-1 CLASSIFICATION. HOME SOURCE, ITALY

TEST OF IDENTIFICATION CHEMISTRY / POINTS OF CONTACT INFORMATION : ON
THIS REPORT, CHEMIST WITH CHEMICAL COMPOUNDING MATERIALS TO LIST A 242/2 2424-114 STD. NIT. AND IT CHEMIST WITH
THE MATERIALS AND CHEMICAL PROPERTIES IDENTIFIED IN THE FOLLOWING SITE :
BUREAU 2402. NOW 244-00 FROM 2424-07, 08-8-1963, NIT-2-2053-D,
242 2413.

THIS REPORT IS PART OF MERCURY CONTAMINATION



we hereby certify that in recognition of the terms and conditions set forth in the R/R R&B Directive -2403/95/EC, we can insure that all of our products and processes fully comply with it.

HECHO EN MEXICO, HECHO EN MEXICO

ELABORATED BY
Cynthia Boddie as Salazar

PRINTED: 13:15:34 JUL-18-11

FD-350 (Rev. 5-22-64)

THYSSENKRUPP MATERIALS NA

DART AEROSPACE
ALUMINUM FLT BAR ECONOPLT 6061-T6511
.500" X 10.00" X 144.5000"
PART NO.

PO/Rel 16883

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Signed by:

BL PEC-765520-003

4May12
Pg 1/1

Certificate of Mill Test Results



SERVICE CENTER METALS
5850 Quail Way
Prince George, VA 23875

CERTIFIED INSPECTION REPORT AND TEST RESULTS FOR EXTRUDED PRODUCTS

OUR ORDER NUMBER	ITEM
147904	2

BILL TO
ThyssenKrupp Materials NA
SWP TO
ThyssenKrupp Materials NA PEC
Quantity Certified 1,982 lbs 28pcs
MANIFEST NUMBER 156448
CUSTOMER PO PEC-237985
CUSTOMER PART NUMBER PLOT34 X 144.5
DESCRIPTION PL 500 X 10.00
DIE NUMBER PLOT34
DATE OF SHIPMENT 4/11/2012
ALLOY/TEMPER 6061-T6511E
SALESPERSON David Schroeder
SPECIFICATION ASTM-B221-08 StencilContinuous
AMS-QQA-200/8

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown. SCM extrusions are manufactured in the USA from ingot melted and cast in the United States or Canada.

Mechanical Properties

Test	Lot No.	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation
1	201205804	04/01/12	44.9	42.2	14.5

Chemical Composition for Aluminum Alloy 6061

Cast Number	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Others Each	Total	Melted In
0312179	6061	0.70	0.29	0.33	0.09	0.87	0.09	0.04	0.02	0.05	0.15	United States of America

Print Date: 4/11/2012

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM 7051 AT BAR 6061, 70511
1.00" x 2.00" x 144.0000"

PART NO.

PO/Ref 16883

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Signed by:

BL PEC-765520-005

4 May 12
Pg 1/1



TEL: (416) 745-4444 FAX: (416) 745-0925 1-800-668-7210
411 CHRISLEA ROAD, WOODBRIDGE, ONTARIO, CANADA L4L 8N4

<http://www.extrudex.com>

MILL TEST REPORT

ROLL NO	DATE CODE	LOT NUMBER	DATE OF SHIPMENT	EXTRUDEX ORDER NO.	MANIFEST NO.
THYSSENKRUPP MATERIALS NA	1	0.87	3/12/2012	143110 - 12	262440
SHIP TO	CUSTOMER PO	ALLOY	TEMPER	SALESMAN	
THYSSENKRUPP MATERIALS NA	PEC-237247	6061	T6511	FORBES DODWELL	
SO DESCRIPTION	CUSTOMER PART NUMBER	PART DESCRIPTION			
1"x2" FB	1-1000-2000				
				CERTIFICATION	
				MILL TEST ASTM B221	

Mechanical Properties

Lot	Alloy	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation	Hardness	Conductivity
A.11	6061	Mar/09/12	43.0	37.6	10.30	85.2, 85.5, 85.8	

Chemical Composition

Cast Number	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Sb	V	B	Zr	Bi	Pb	Sn	Sr	Co	Al	Other
A.11 16107 6061	0.55	0.23	0.20	0.06	0.81	0.05	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Remainder 0.00

David Natale
Quality Control Manager

1 - CUSTOMER COPY

MILL TEST REPORT

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM SHEET 5052-H32

.0320 Nom X 48.0000" X 96.0000"

PART NO.

PO/Rel 16883

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-765520-002

4May12

Signed by:

Pg 1/1

1732

ZHENGZHOU MINGTAI INDUSTRY CO., LTD
CHANGCHUN ROAD NO.6, HIGH AND NEW TECHNOLOGY ZONE,
ZHENGZHOU HENAN CHINA

TEL: +86-371-67896715 FAX: +86-371-67896612

MILL TEST CERTIFICATE

TO: **OLBERT METAL SALES LIMITED**
989 DERRY RD. EAST, SUITE 305 MISSISSAUGA,
ONTARIO CANADA L5T 2J6

INVOICE NO.: ZOTO110601

CONTRACT NO: 1732/1704/1720

LOADING PORT: QINGDAO, CHINA

DESTINATION: TORONTO, CANADA

SHIPPING MARKS: N/M

DATE: JUN, 29, 2011

DESCRIPTION OF GOODS:

ALUMINUM SHEET 5052 H32 CERTIFIED

TO ALL AA, ASTM B209, AMS/QQA 250/B, AMS 4016L SPECS.

ALUMINUM SHEET 3003 H14 CERTIFIED TO ALL AA,

ASTM B209, AMS/QQA 250/2, AMS 4008 SPECS.

CIF TORONTO, REF: 1732/1704/1720

CHEMICAL COMPOSITION

Heat No.	Alloy	Si	Fe	Cu	Mn	Mg	Zn	Ti	Cr	Others	Al
112474	5052	0.098	0.318	0.01	0.086	2.221	0.007	0.014	0.198	0.15	REMAINDER
113780	5052	0.083	0.296	0.021	0.087	2.406	0.023	0.021	0.228	0.15	REMAINDER
114087	5052	0.122	0.318	0.013	0.086	2.215	0.009	0.016	0.197	0.15	REMAINDER
114114	5052	0.102	0.326	0.012	0.049	2.267	0.008	0.01	0.185	0.15	REMAINDER
114115	5052	0.108	0.298	0.009	0.055	2.26	0.007	0.018	0.168	0.15	REMAINDER
B11051024	3003	0.116	0.483	0.0968	1.1	0.0062	0.0107	0.0379	/	0.15	REMAINDER
D1105031	3003	0.122	0.483	0.0937	1.07	0.0085	0.0088	0.0319	/	0.15	REMAINDER
D1105084	3003	0.118	0.422	0.0921	1.06	<0.0050	0.0082	0.0306	/	0.15	REMAINDER
D1105130	3003	0.119	0.47	0.0947	1.13	<0.0050	0.0085	0.036	/	0.15	REMAINDER

MECHANICAL PROPERTY

Heat No.	Alloy	Temper	Specs(in)	Tensile strength (Mpa/ ksi)	Elongn %
112474	5052	H32	0.188*48*120	203	29
113780	5052	H32	0.188*48*120	204	30
114087	5052	H32	0.032*48*120/96	229	33
114114	5052	H32	0.125*48*120/96	213	31
114115	5052	H32	0.188*60*144/120	182	28
B11051024	3003	H14	0.08*60*120	170	25
D1105031	3003	H14	0.25*48*96	169	25
D1105084	3003	H14	0.25*48*120	169	25
D1105130	3003	H14	0.188*48*96/120	167	24

PRODUCER: ZHENGZHOU MINGTAI INDUSTRY CO., LTD

ZHENGZHOU MINGTAI INDUSTRY CO., LTD.
郑州明泰实业有限公司

力泰

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM BAR 6061-T6511
750" x 2.00" x 144.0000"

PART NO.

PO/Ref 16883

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by:

BL PEC-765520-004

4 May 12
Pg 1/1

Certificate of Mill Test Results



TEL: (416) 745-4444 FAX: (416) 745-0925 1-800-668-7210
411 CHRISLEA ROAD, WOODBRIDGE, ONTARIO, CANADA L4L 8N4

<http://www.extrudex.com>

MILL TEST REPORT

SHEET NO. 1
THYSSENKRUPP MATERIALS, NA
THYSSENKRUPP MATERIALS, NA
SO DESCRIPTION
.750"x2" FB

Cert Code: 1
CUSTOMER NO. 021
PEC-237419
CUSTOMER PART NUMBER 1-750-2000
DIE NUMBER S 2436
ALLOY 6061
TEMPER T6511
DATE OF SHIPMENT 3/16/2012
SALESMAN FORBES DODWELL

EXTRUDEX ORDER NO. 143348
MANIFEST NO. 5
262754
MADE IN CANADA
CERTIFICATION
MILL TEST ASTM B221

Mechanical Properties

Lot	Alloy	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation	Hardness	Conductivity
A.11	6061	Mar/15/12	41.1	36.9	15.10	86.3, 86.0, 85.6	

Chemical Composition

Cast Number	SI	Fe	Cu	Mn	Mg	Cr	NI	Zn	TI	Ga	V	B	Zr	Bi	Pb	Sn	Sr	Co	Al	Other
16276 6061	0.56	0.19	0.19	0.06	0.82	0.05	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

David Natale
Quality Control Manager

1 - CUSTOMER COPY

MILL TEST REPORT

THYSSENKRUPP MATERIALS NA

P.O./Ref 16883

Certificate of Mill Test Results

ALUMINUM PLATE BAR 6061-T6511
1.250" x 1.50" x 144.0000"
PART NO.

BL PEC-765520-006

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by:

4 May 12
Pg 1/1



TEL: (416) 745-4444 FAX: (416) 745-0925 1-800-668-7210
411 CHRISLEA ROAD, WOODBRIDGE, ONTARIO, CANADA L4L 8N4

<http://www.extrudex.com>

MILL TEST REPORT

BILL TO THYSSENKRUPP MATERIALS NA	1773	Cont Code: 1	0.42	ONE NUMBER S	4676	DATE OF SHIPMENT 2/10/2012	EXTRUDEX ORDER NO. 142261	MANIFEST NO. 261058
SHIP TO THYSSENKRUPP MATERIALS NA	1773	CUSTOMER NO PEC-236572		ALLOY 6061	TEMPER T6511	SILVERMAN FORBES DODWELL		
SO DESCRIPTION 1.25"x1.5" FB		CUSTOMER PART NUMBER 1-1250-1500		PART DESCRIPTION				
Mechanical Properties								

Lot	Alloy	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation	Hardness	Conductivity
A.11	6061	Feb/08/12	43.8	40.4	15.00	91.5, 91.0, 90.8	

Chemical Composition

Cast Number	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Ge	V	B	Zr	Bi	Pb	Sn	Sr	Co	Al	Other
A.11 15847 6061	0.55	0.19	0.22	0.07	0.82	0.04	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

David Natale
Quality Control Manager

1 - CUSTOMER COPY

MILL TEST REPORT

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM PLATE BAR 6061-T6511
2.00" x 3.50" x 144.0000"
PART NO.

PO/Ref 16883

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by:

BL PEC-76520-008

Certificate of Mill Test Results

4Msep12
Pg 1/1



SERVICE CENTER METALS
5850 Quality Way
Prince George, VA 23875

CERTIFIED INSPECTION REPORT AND TEST RESULTS FOR EXTRUDED PRODUCTS

B.L. TO

ThyssenKrupp Materials NA

SHEET

Quantity Certified 1,196 lbs

12 pcs

NAMEST NUMBER
156446
CUSTOMER PO
PEC-237957
CUSTOMER PART NUMBER
RB0148

DE NUMBER
RB0148
ALLOY / TEMPER
6061-T6511
DESCRIPTION
SCRB 2.000x3.500

DATE OF SHIPMENT
4/11/2012
SALES PERSON
David Schroeder

CERTIFICATION
ASTM-B221-08 StencilContinuous
SPECIFICATION
AMS-QQA-200/8

QUOT ORDER NUMBER	ITEM
147824	2

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown. SCM extrusions are manufactured in the USA from ingot melted and cast in the United States or Canada.

Items produced and certified as 6061-T6511 also meet the requirements of 6061-T6

Mechanical Properties

Tests Lot No.
1 201205627

Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation
03/31/12	51.6	48.3	14.4

Chemical Composition for Aluminum Alloy 6061

Cast Number	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Others Each	Total	Melted In
0312128	6061	0.75	0.39	0.34	0.11	0.88	0.11	0.05	0.03	0.05	0.15	United States of America
0312135	6061	0.74	0.36	0.32	0.09	0.88	0.09	0.05	0.02	0.05	0.15	

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM PLAT BAR 6061-T6511

1.250" x 2.00" x 144.0000"

PART NO.

PO/Rel 16883

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by:

BL PEC-765520-007

4May12
Pg 1/1

Certificate of Mill Test Results



TEL: (416) 745-4444 FAX: (416) 745-0925 1-800-668-7210
411 CHRISLEA ROAD, WOODBRIDGE, ONTARIO, CANADA L4L 8N4

<http://www.extrudex.com>

MILL TEST REPORT

BILL TO THYSSENKRUPP MATERIALS NA	1773	Part Code:	1	0.58	DIE NUMBER	S	22772	DATE OF SHIPMENT	2/15/2012	EXTRUDEX ORDER NO.	MANIFEST NO.
SHIP TO THYSSENKRUPP MATERIALS NA	1773	CUSTOMER NO	PEC-236515		ALLOY	6061	TEMPER	T6511	SALESMAN	142198 - 4	261198
SO DESCRIPTION 1.25"x2" FB		CUSTOMER PART NUMBER			PART DESCRIPTION					MADE IN CANADA	

Mechanical Properties

Lot	Alloy	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation	Hardness	Conductivity
A.11	6061	Feb/13/12	43.8	40.5	11.90	89.3, 89.5, 89.6	

Chemical Composition

Cast Number	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Ga	V	B	Zr	Bi	Pb	Sb	Sn	Co	Al	Other
A.11 15806 6061	0.59	0.20	0.20	0.07	0.81	0.04	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

David Natale
Quality Control Manager

1 - CUSTOMER COPY

MILL TEST REPORT

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM HEXAGON BAR 6061-T6511

1.00" X 1.44,0000"

PART NO.

PO/Rel 16883

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by:

BL DEC-765520-009

4 May 12
Pg 1/1

Certificate of Mill Test Results



SERVICE CENTER METALS
5850 Quality Way
Prince George, VA 23875

CERTIFIED INSPECTION REPORT AND TEST RESULTS FOR EXTRUDED PRODUCTS

OUR ORDER NUMBER	ITEM
141851	14

ROLL TO	MANIFEST NUMBER	DATE OF SHIPMENT	CERTIFICATION
ThysenKrupp Materials NA	148740	1/13/2012	ASTM-B221-08 StencilContinuous
SHIP TO	CUSTOMER PO	ALLOY / TEMPER	SPECIFICATION
ThysenKrupp Materials NA PEC	PEC-235810	6061-T6511	AMS-QQA-200/8
Quantity Certified	CUSTOMER PART NUMBER	DESCRIPTION	
2,163 lbs	XB0056	Hex 1.000+/- .005	

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown. Items produced and certified as 6061-T6511 also meet the requirements of 6061-T6.

Mechanical Properties		Test Date		Ultimate Tensile Strength (KSI)		Yield Strength (KSI)		Percent Elongation	
Tests	Lot No.								
1	201200184	01/08/12		53.2		50.0		15.9	
2	201200184	01/08/12		53.7		50.9		14.5	
1	201200302	01/12/12		49.0		46.2		15.6	
2	201200302	01/12/12		48.7		45.9		15.0	
3	201200302	01/12/12		48.6		45.7		16.0	

Chemical Composition for Aluminum Alloy 6061

Cast Number	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Others	Melted in
										Each Total	United States of America
C71R0005	6061	0.75	0.37	0.32	0.10	0.89	0.16	0.01	0.02	0.05	0.15
C71R0006	6061	0.77	0.40	0.35	0.11	0.89	0.17	0.01	0.01	0.05	0.15

Print Date: 1/13/2012

Calvin J. Wiggins, Director of Quality & Technical Services



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO16883

Purchase Order Date 5/02/12

PO Print Date 5/02/12

Page Number 1 of 5

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Contact Name		Buyer	Chantal Lavoie
Vendor Phone	905 669 9444	Requisition Nbr	
Vendor Fax	905 738 9033	Tax Resale Nbr	10127-2607
Vendor Account Nbr		Terms	Net 30
		Currency	CAD
		FOB	Destination-Collect

Ship To : DART AEROSPACE LTD 1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

FAKED
613 632 1053

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1	M174B1.250X02.000 B16	17-4 SS Bar 1.250 x 2.00	5/09/12 Yes	12.00 f	Yours ppd	\$35.2500	\$423.00
		Special Inst: MATERIAL: 17-4 PH SS BAR AS PER AMS 5604/5643 GRAIN MUST BE ALONG LENGTH OF BAR MINIMUM YIELD TENDILE STRENGTH = 100 KSI MINIMUM ULTIMATE TENSILE STRENGTH = 150 KSI					
2	M303B2.500X2.000 B16	303 BAR 2.5" X 2"	5/09/12 Yes	4.00 f	Yours ppd	\$83.7500	\$335.00
		Special Inst: MATERIAL: AISI 303 SS BAR AS PER ASTM A582 NOTE: 304/316 NOT ACCEPTABLE					
3	M304S18GA ✓	304/316 .050 Sheet	5/09/12 Yes	96.00 sf	Yours ppd	\$3.9000	\$374.40

No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required when applicable

Change Nbr: 1

Change Date: 5/02/12



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO16883**

Purchase Order Date 5/02/12

PO Print Date 5/02/12

Page Number 2 of 5

Order From : VC-COP001

THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Contact Name

Vendor Phone

905 669 9444

Vendor Fax

905 738 9033

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr

10127-2607

Terms

Net 30

Currency

CAD

FOB

Destination-Collect

Special Inst:

MATERIAL: AISI 304/316 SS SHEET
ANNEALED 2B FINISH
AS MIL-S-5059 OR AMS 5513 (304) OR
AMS 5524 (316)
OR ASTM A240 OR ASME SA240

4	M5052H32S.032	5052-H32 .032 Sheet	5/09/12 Yes	96.00 sf	Yours ppd	\$1.0938	\$105.00
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Special Inst:

MATERIAL: 5052-H32 ALUMINUM
SHEET AS PER
QQ-A-250/8 OR AMS-QQ-A-250/8 OR
AMS 4016
OR ASTM B209

5	M6061T6B0.500X10.000	6061-T6 Bar .500 x 10.00	5/09/12 Yes	48.00 f	Yours ppd	\$11.9800	\$575.04
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Special Inst:

MATERIAL: 6061-
T6/T651/T6510/6511T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8
OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR
AMS 4160 OR ASTM B211 OR ASTM
B221

6	M6061T6B0.750X02.000	6061-T6 Bar .750 x 2.00	5/09/12 Yes	12.00 f	Yours ppd	\$3.7583	\$45.10
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No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required when applicable

Change Nbr: 1

Change Date: 5/02/12



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO16883**

Purchase Order Date 5/02/12

PO Print Date 5/02/12

Page Number 3 of 5

Order From :

VC-COP001

THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL "A"
TORONTO, ON M5W 5V8
CA

Contact Name

Vendor Phone

905 669 9444

Vendor Fax

905 738 9033

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr

10127-2607

Terms

Net 30

Currency

CAD

FOB

Destination-Collect

Special Inst:

MATERIAL: 6061-
T6/T651/T6510/6511T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8
OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR
AMS 4160 OR ASTM B211 OR ASTM
B221

7	M6061T6B1.000X02.000	6061-T6 Bar 1.00 x 2.00	5/09/12 Yes	48.00 f	Yours ppd	\$4.8500	\$232.80
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Special Inst:

MATERIAL: 6061-
T6/T651/T6510/6511T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8
OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR
AMS 4160 OR ASTM B211 OR ASTM
B221

8	M6061T6B1.500X01.250	6061-T6 Bar 1.50 x 1.25	5/09/12 Yes	12.00 f	Yours ppd	\$4.4417	\$53.30
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Special Inst:

MATERIAL: 6061-
T6/T651/T6510/6511T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8
OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR
AMS 4160 OR ASTM B211 OR ASTM
B221

9	M6061T6B2.000X01.250	6061-T6 Bar 2.00 x 1.25	5/09/12 Yes	12.00 f	Yours ppd	\$6.1500	\$73.80
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No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required when applicable

Change Nbr: 1

Change Date: 5/02/12



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO16883**

Purchase Order Date 5/02/12

PO Print Date 5/02/12

Page Number 4 of 5

Order From :

VC-COP001

THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Contact Name

Vendor Phone

905 669 9444

Vendor Fax

905 738 9033

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr

10127-2607

Terms

Net 30

Currency

CAD

FOB

Destination-Collect

Special Inst:

MATERIAL: 6061-
T6/T651/T6510/6511T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8
OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR
AMS 4160 OR ASTM B211 OR ASTM
B221

10 M6061T6B2.000X03.500

6061-T6 Bar 2.00 x 3.50

5/09/12
Yes

12.00
f Yours ppd

\$17.2542

\$207.05

Special Inst:

MATERIAL: 6061-
T6/T651/T6510/6511T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8
OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR
AMS 4160 OR ASTM B211 OR ASTM
B221

11 M6061T6H1.000

6061-T6 HexBar 1.00

5/09/12
Yes

12.00
f Yours ppd

\$2.2000

\$26.40

Special Inst:

MATERIAL: 6061-
T6/T651T6510/T6511/T62 ALUMINUM
HEX BAR
SPEC: QQ-A-225/8 OR AMS-QQ-A-225/8
(OR AMS4117/4128/4115/4116)
OR QQ-A-200/8 OR AMS-QQ-A-200/8(OR
AMS 4160) OR ASTM B211 OR ASTM
B221

12 M7075T73B2.500X03.25

7075-T73 Bar 2.50 x 3.25

5/09/12
Yes

4.00
f Yours ppd

\$66.2500

\$265.00

Change Nbr: 1

Change Date: 5/02/12

No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required when applicable



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO16883**

Purchase Order Date 5/02/12

PO Print Date 5/02/12

Page Number 5 of 5

Order From :

VC-COP001

THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Contact Name

Vendor Phone

905 669 9444

Vendor Fax

905 738 9033

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr

10127-2607

Terms

Net 30

Currency

CAD

FOB

Destination-Collect

Special Inst:

7075-T73 (OR 7075-
T7351/T73510/T73511) BAR PER ASM-
QQ-A-200/11 OR AMS-QQ-A-225/9 (AMS
4124) OR AMS-QQ-A-250/12 (AMS 4078)

PO Total:

\$2,715.89

**MATERIAL CERTIFICATION
REQ'D UPON DELIVERY**

Change Nbr: 1

Change Date: 5/02/12

No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required when applicable